BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : PROVIDING POT HOLE FILLING IN WARD NO.02 OF YELAHANKA SUB DIVISION

								Estimate Cost Rs.	20.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.		Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)									
	Cross Cuttings	Cum								
			5	5.00	0.50	0.20	2.50			
			3	5.50	0.80	0.20	2.64			
			10	6.00	0.60	0.15	5.40			
			1	5.00	0.50	0.20	0.50			
			8	5.50	0.60	0.20	5.28			
			4	6.00	0.75	0.15	2.70			
			15	6.00	0.60	0.20	10.80			
	Longitudinal Cuttings									
			1	290.00	1.80	0.20	104.40			
			1	180.00	1.80	0.15	48.60			
			1	20.00	1.80	0.20	7.20			
			1	300.00	1.80	0.20	108.00			
			1	200.00	1.80	0.15	54.00			
			1	135.00	1.80	0.20	48.60			
	Pot holes									
			12	1.70	2.45	0.20	10.00			
			6	1.50	1.20	0.20	2.16			
			5	2.30	2.50	0.20	5.75			
			7	1.20	1.50	0.20	2.52			
			12	1.70	2.45	0.15	7.50			
			6	2.00	2.50	0.20	6.00			
			8	2.00	1.90	0.20	6.08			
			8	3.50	2.90	0.15	12.18			
			4	1.00	0.50	0.20	0.40			
			6	3.00	3.10	0.10	5.58			
			4	2.50	2.30	0.20	4.60			
	for CC Road									
	Pot Holes		10	2.50	2.00	0.20	10.00			

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			8	2.20	1.60	0.25	7.04		
			12	2.50	2.30	0.20	13.80		
			6	2.45	1.70	0.25	6.25		
			10	4.00	0.60	0.20	4.80		
							505.27	184.73	**93337.00**
	Basic Rate	157.00							
	AD-HOC 11%	17.27							
	Sub-Total	174.27							
	Area Weightage @ 6%	10.46							
	Total	**184.73**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
			Qty Vide Item No.1				**505.27**	111.00	**56085.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Sub-Total	100.00							
	AD-HOC 11%	11.00							
	Total	**111.00**							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.157 & I.No.20.18)								
	Cross Cuttings	cum							
			5	5.00	0.50	0.15	1.88		
			3	5.50	0.80	0.15	1.98		
			10	6.00	0.60	0.15	5.40		
			1	5.00	0.50	0.15	0.38		
			8	5.50	0.60	0.15	3.96		
			4	6.00	0.75	0.15	2.70		
			15	6.00	0.60	0.15	8.10		
	Longitudinal Cuttings								
			1	290.00	1.80	0.15	78.30		
			1	180.00	1.80	0.15	48.60		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	20.00	1.80	0.15	5.40		
			1	300.00	1.80	0.15	81.00		
			1	200.00	1.80	0.15	54.00		
			1	135.00	1.80	0.15	36.45		
	Pot holes								
			12	1.70	2.45	0.15	7.50		
			6	1.50	1.20	0.15	1.62		
			5	2.30	2.50	0.15	4.31		
			7	1.20	1.50	0.15	1.89		
			12	1.70	2.45	0.15	7.50		
			6	2.00	2.50	0.15	4.50		
			8	2.00	1.90	0.15	4.56		
			8	3.50	2.90	0.15	12.18		
			4	1.00	0.50	0.15	0.30		
			6	3.00	3.10	0.15	8.37		
			4	2.50	2.30	0.15	3.45		
							384.32	1962.57	**754248.00**
	Basic Rate	1668.00							
	AD-HOC 11%	183.48							
	Sub-Total	1851.48							
	Area Weightage @ 6%	111.09							
	Total	**1962.57**							
4	filling of potholes and Patch Repairs with Bituminous Concrete ,40mm Removal of all failed material,trimming of completed exavation to provide firm vertical faces cleaning of surface, pai nting of tack coat on the sides and base of exavation as per clause 500.3,back filling the pot holes with hot bituminous material as per clause 500.4, compacting trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH specifications No.3004.2 (Page No.257/Item No.35.5)								
	Cross Cuttings	Sqm							
			5	5.00	0.50		12.50		
			3	5.50	0.80		13.20		
			10	6.00	0.60		36.00		
			1	5.00	0.50		2.50		
			8	5.50	0.60		26.40		
			4	6.00	0.75		18.00		
			15	6.00	0.60		54.00		
	Longitudinal Cuttings								
			1	290.00	1.80		522.00		
			1	180.00	1.80		324.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	20.00	1.80		36.00		
			1	300.00	1.80		540.00		
			1	200.00	1.80		360.00		
			1	135.00	1.80		243.00		
	Pot holes								
			12	1.70	2.45		49.98		
			6	1.50	1.20		10.80		
			5	2.30	2.50		28.75		
			7	1.20	1.50		12.60		
			12	1.70	2.45		49.98		
			6	2.00	2.50		30.00		
			8	2.00	1.90		30.40		
			8	3.50	2.90		81.20		
			4	1.00	0.50		2.00		
			6	3.00	3.10		55.80		
			4	2.50	2.30		23.00		
							2562.11	335.33	**859155.00**
	Basic Rate	285.00							
	AD-HOC 11%	31.35							
	Sub-Total	316.35							
	Area Weightage @ 6%	18.98							
	Total	**335.33**							
5	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	for CC Road	Cum							
			10	2.50	2.00	0.10	5.00		
			8	2.20	1.60	0.10	2.82		
			12	2.50	2.30	0.10	6.90		
			6	2.45	1.70	0.10	2.50		
			10	4.00	0.60	0.10	2.40		
							19.62	5726.51	**112326.00**
	Basic Rate	4867.00							
	AD-HOC 11%	535.37							
	Sub-Total	5402.37							
	Area Weightage @ 6%	324.14							
	Total	**5726.51**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
6	KSRRB M600-6. Cement concrete pavement. Construction Un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and size graded granite metal , coarse and fine aggregate with superplastisiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.(P.No.177 / It.No.22.6.1)								
	for CC Road	Cum							
			10	2.50	2.00	0.10	5.00		
			8	2.20	1.60	0.10	2.82		
			12	2.50	1.80	0.10	6.90		
			7	2.45	1.70	0.10	2.92		
			10	4.00	0.60	0.10	2.40		
							20.03	6114.79	122488.00
	Basic Rate	5197.00							
	AD-HOC 11%	571.67							
	Sub-Total	5768.67							
	Area Weightage @ 6%	346.12							
	Total	**6114.79**							
7	Miscellaneous and unforeseen charges	LS							2361.00
							Grand Total Amount		2000000.00

(Rupees Twenty Lakhs Only)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lacs
Rupees Twenty Lakhs
vide P-1771-2017-18
Registered as CE ( ) No. 9 9
Subject to conditions contained in
enclosed memo EE ( ) No. /9/
Dt. Estimate AV Sanctioned
CE/YNK/TS/6017-18
Dated 16-02-18 Rs. 20.00 Lakh
Executive Engineer

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

Administrative Approval
Accorded For Rs. 20.00 lacs
Head of A/C P:1771
CER NO :232 Dt:08-02-18

TA

CE (YNK)

YELAHANKA ZONE
WARD 2-CHOWDESHWARI WARD

©

No of Properties : 6635	
No of Roads : 490	
Total Length of Roads (in Meters) 73562.77	

Legend

Major Road

Intermediate Road

Minor Road

AE-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore